

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 631260-, Gilmer County **OFFICE** Preconstruction
STP-1004(2)
SR 382 Extension **DATE** February 17, 2006

FROM *Cyber Kunkle*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO *MBP* SEE DISTRIBUTION

SUBJECT **APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

MBP/cj

Attachment

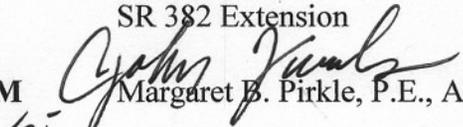
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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 631260-, Gilmer County **OFFICE** Preconstruction
STP-1004(2)
SR 382 Extension **DATE** February 7, 2006

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO  David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project comprises the extension of SR 382 from CR 239/SR 5 Alt to SR 515 for a total of 0.60 mile. The purpose of the proposed extension is to provide a more direct route from CR 239 to SR 5/SR 515, Appalachian Development Highway Corridor A. The current route makes two sharp turn movements with a short distance of SR 5/SR 515 and has very poor horizontal and vertical alignment. The annual average daily traffic (AADT) volume along the existing section of SR 382 from CR 239 to SR 5/SR 515 was 3,300 in 2002 and is expected to be 9,900 AADT by 2031. The level of service (LOS) of the existing two lane section of SR 382 was "C" in 2002 and is expected to be LOS "D" by 2031. The projected traffic volume along the extension is expected to be 1,825 AADT by 2031 and the LOS is expected to be "B." The old section of SR 382 from CR 239 to SR 5/SR 515 is expected to improve to LOS "C" in 2031 with the extension in place.

The project, located in Gilmer County, begins on SR 382 at the intersection of CR 239/SR 5 Alternate and traverses on new location easterly to SR 5/SR 515. The proposed typical section will consist of two, 12' lanes with 10' shoulders (6.5' paved to accommodate bike lanes) on 100' of proposed right-of-way.

Environmental concerns include requiring a COE 404 permit; a Categorical Exclusion be prepared; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	\$1,380,000	\$1,065,000	L250	LR
Right-of-Way	\$ 280,000	\$ 280,000	L250	2009
Utilities*	\$ 37,000	----		

*Notification letter sent to Gilmer County 4-21-05.

David Studstill

Page 2

P. I. No. 631260-, Gilmer

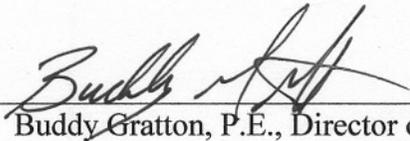
February 7, 2006

I recommend this project concept be approved.

MBP:JDQ/cj

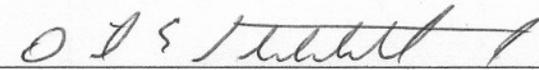
Attachment

CONCUR



Buddy Gratton, P.E., Director of Preconstruction

APPROVE



David E. Studstill, Jr., P.E., Chief Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

STP1004(2)

P. I. 631260

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the this project.

The date of location approval is *FEBRUARY 17, 2006*

This project is the extension of SR382 on new location starting at MP 10.07 SR382 at the intersection CR239/SR5 Alternate. Then runs Easterly to MP 6.63 SR/5515. The typical section of SR382 extension will be two 12 foot lanes with 10 foot shoulders which two feet of the shoulders will be paved. See Attachments "B" & "C" for lane configuration at both intersections. The Extension of SR382 will allow traffic traveling over to SR5/515 a more direct route, safer route, and will help traffic to move more freely The length of project is 0.75 Miles. The construction of this project will allow for a 1.5 mile section of SR5 Alternate to be removed from the system and eliminate maintenance for said section. The project lies in Gilmer County in District 11 Section 68 Land Lots 208 and 209.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

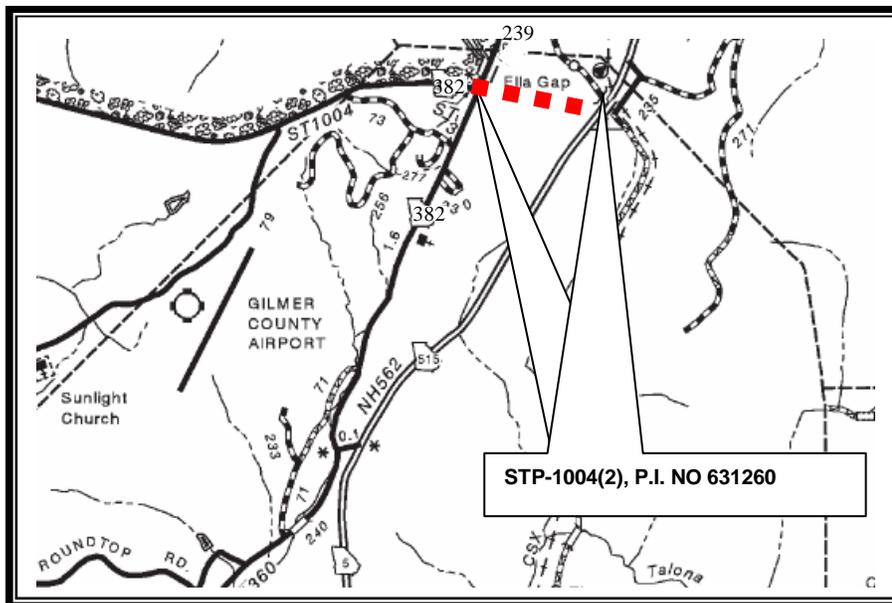
Lou Chastain, Area Engineer
258 Maddox Drive
Ellijay, Georgia 30540
706-635-5551

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Curtis DeWayne Comer
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice, and may be referred to:

STP-1004(2), P.I. NO 631260
SR 382 Extension
Gilmer County

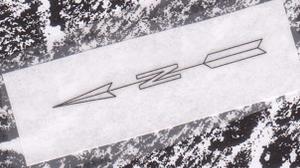


I-515

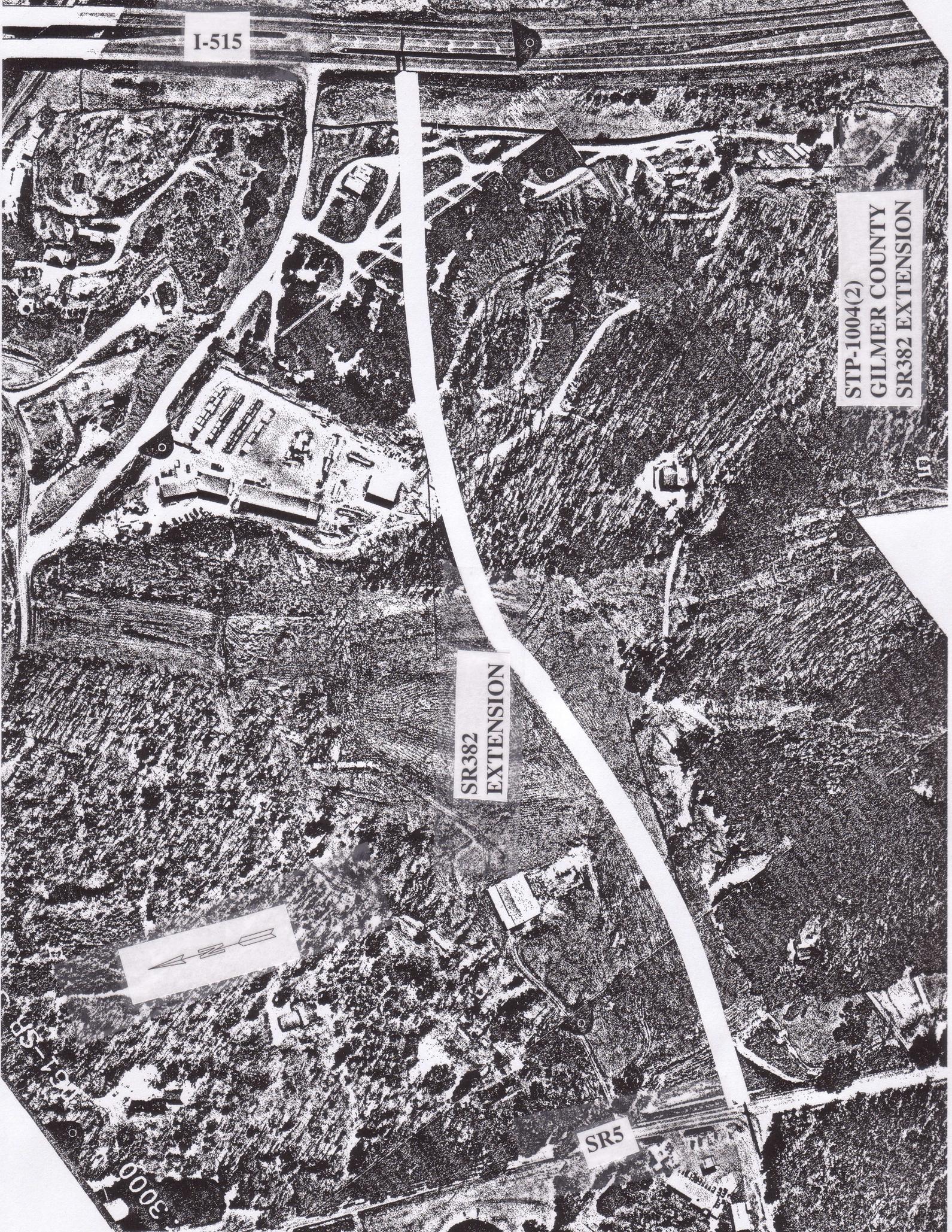
STP-1004(2)
GILMER COUNTY
SR382 EXTENSION

SR382
EXTENSION

SR5



SR-1004
3000



Project Concept Report page 3
Project Number: STP-1004(2)
P. I. Number: 631260
County: Gilmer

Need and Purpose: See attachment "A"

Description of the proposed project: This project is the extension of SR382 on new location starting at MP 10.07 SR382 at the intersection CR239/SR5 Alternate. Then runs Easterly to MP 6.63 SR/5515. The typical section of SR382 extension will be two 12 foot lanes with 10 foot shoulders which will have 6.5 feet of the shoulders paved to accommodate bike traffic. See Attachments "B" & "C" for lane configuration at both intersections. The Extension of SR382 will allow traffic traveling over to SR5/515 a more direct route, safer route, and will help traffic to move more freely. The length of project is 0.6 Miles. The construction of this project will allow for a 1.5 mile section of SR5 Alternate to be removed from the system and eliminate maintenance for said section.

Is the project located in a Non-attainment area? Yes X No.

PDP Classification: Major Minor X
Federal Oversight: Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Rural Major Collector

U. S. Route Number(s): None **State Route Number(s):** SR382

Traffic (AADT):
Current Year: (2011) 950 Design Year: (2031) 1825

Existing design features:

- Typical Section: N/A, on new location.
- Posted speed N/A mph Minimum radius for curve: N/A
- Maximum super-elevation rate for curve: N/A
- Maximum grade: N/A % (List mainline, cross roads, and driveways)
- Width of right of way: N/A ft.
- Major structures: None
- Major interchanges or intersections along the project: None
- Existing length of roadway is zero (0).

Project Concept Report page 4
 Project Number: : STP-1004(2)
 P. I. Number: : 631260
 County: Gilmer:

Proposed Design Features:

- Proposed typical section: 2-12 Ft. lanes with 10 Ft. Shoulders
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 7 % Maximum grade allowable 7 %.
- Proposed Maximum grade Side Street 7 % Maximum grade allowable 15 %.
- Proposed Maximum grade driveway 10 %
- Proposed Minimum radius for curve 1430 Minimum radius allowable 1060
- Proposed Maximum super-elevation rate for curve: 8 %
- Proposed Maximum degree of curve 4 . Maximum degree allowable 5.4 .
- Right of way
 - Width 100 Ft.
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other ().
 - Number of parcels: 4 Number of displacements:
 - Business: None
 - Residences: None
 - Mobile homes: None
 - Other: None
- Structures:
 - Bridges: None
 - Retaining walls: None anticipated
- Major intersections and interchanges: Tie in with SR5/515
- Traffic control during construction: None Anticipated, on new alignment.
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- Design Variances; May require variance for spacing between median openings on I-515
- Environmental concerns: Section 404 & Water Quality.

Project Concept Report page 5
Project Number: : STP-1004(2)
P. I. Number: 631260
County: : Gilmer

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
- Utility involvements: Georgia Power
Ellijay Telephone Company
Ellijay/Gilmer County Water Sewer

Project responsibilities:

- | | |
|--------------------------------|-----------------------|
| ○ Design, | GDOT |
| ○ Right of Way Acquisition, | GDOT |
| ○ Relocation of Utilities, | GDOT/LOCAL |
| ○ Letting to contract, | GDOT |
| ○ Supervision of construction, | GDOT |
| ○ Providing material pits, | CONTRACTOR |
| ○ Providing detours. | N/A, None Anticipated |

Coordination

- Initial Concept Meeting date and brief summary. June 16,2005, See Comments Section.
- P. A. R. meetings, dates and results: N/A
- FEMA, USCG, and/or TVA: No involvement
- Public involvement: Invited Local Officials.
- Local government comments: No local government involvement anticipated.
- Other projects in the area: STP-1004(3) PI 642070 Passing Lanes in Long Range
- Other coordination to date: None at this time.
- Railroads: None

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 18 Months.
- Time to complete preliminary construction plans: 12 Months.
- Time to complete right of way plans: 6 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 9 Months.

Project Concept Report page 6
Project Number: : STP-1004(2)
P. I. Number: : 631260
County: Gilmer:

Other alternates considered: No Build

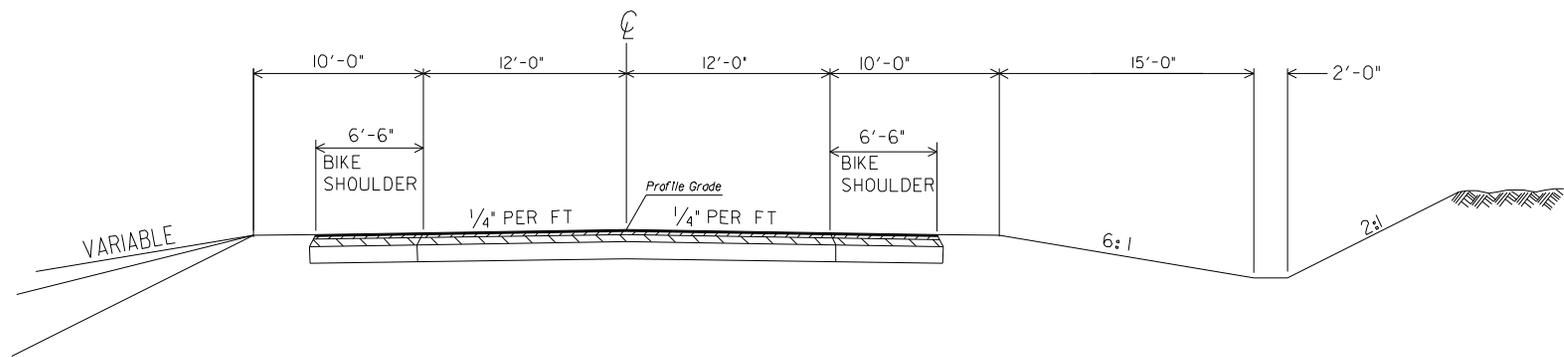
Comments: During design the designer shall design the intersection at SR382 and SR5 Alternate of concrete. The designer shall make sure of the proper sight distance at the intersection of the new proposed SR382. The designer shall make sure new opening is properly located with proper spacing between openings.

Attachments:

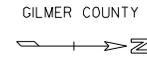
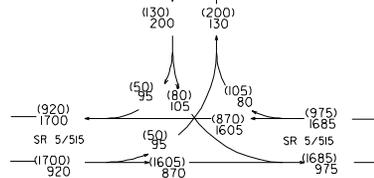
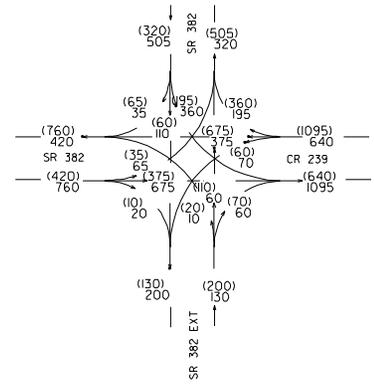
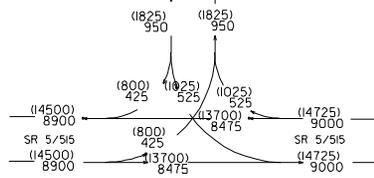
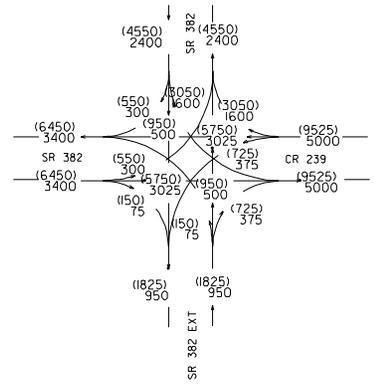
1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Sketch location map,
3. Typical sections,
4. Turn Movements
5. Need and Purpose
6. Intersection configurations, Attachments "B" & "C"
7. Minutes of Initial Concept and Concept meetings,
8. Location and Design Notice

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
CA.			

TYPICAL SECTION

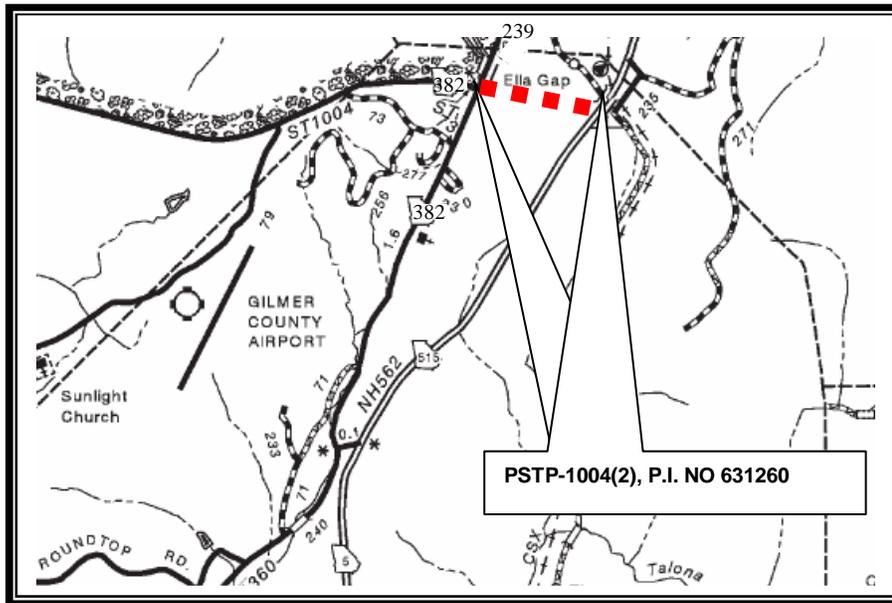


NO SCALE



STP-1004(2)
P.L.# 631260
GILMER COUNTY
S.R. 382 EXT. FM.
CR 239
TO S.R. 5/515
AFF.
FEB. 08

Attachment "A"
NEED AND PURPOSE
PSTP-1004(2), P.I. NO 631260
SR 382 Extension
Gilmer County



Need and Purpose

The purpose of proposed SR 382 extension is to provide a more direct route from CR 239 to SR 5 /SR 515, Appalachian Development Highway Corridor A. The current route makes two sharp turn movements within a short distance of SR 5/SR 515 and has very poor horizontal and vertical alignment. The length of the extension is 0.6 miles and the length of SR 382 from the intersection of CR 239 to SR 5/SR 515 is 1.5 miles.

Travel Demand

The annual average daily traffic (AADT) volume along the existing section of SR 382 from CR 239 to SR 5/515 was 3,330 in 2002 and is expected to be 9,900 AADT by 2031. The Level of Service (LOS) of the existing two-lane section of SR 382 was C in 2002 and is expected to be LOS D by 2031. The projected traffic volume along the extension is expected to be 1,825 AADT by 2031 and the LOS is expected to be B. About 9% trucks are expected to travel along the extension. The old section of SR 382 from CR 239 to SR 5 /SR 515 is expected to improve to LOS C in 2031 with the extension in place.

Between 2000 and 2002, accident rates along the existing 1.5 mile section of SR 382 were lower than the statewide accident rates. There were 4 accidents reported along the route in 2000, 3 in 2001, 2 in 2002, and 5 in 2003. Of the 14 accidents, about 28% were rear-ends, 36% were angle type, and 36% were non-vehicle collision type accidents. About 8 of the accidents occurred at the route's intersection with CR 239, and 6 of these accidents involved drivers making a left turn.

Land use in the project area is mixed residential, commercial, and forestry. The proposed extension project is located in Census Tract 1312080400. According to the 2000 Census, there were about 3,115 housing units located in this census tract. About 33.5% of the 3,115 housing units were built between 1995 and 2000. Gilmer County Airport is also located in this area. It's located just south of SR 382.

Environmental Justice

In 2000, Census Tract 1312080400 had a population of 6,384 persons. About 0.38% of the population was Black and 7.85% was Hispanic/Latino. About 13.3% of the population lived below the poverty level.

Other System Linkage

In addition to the SR 382 Extension Project, there are long range plans to construct passing lanes along SR 382 between SR 136 and SR 5 under Project STP-1004(3), P.I. 642070. The passing lane project should not interfere with the proposed extension project, but should be coordinated along with the extension project. Both projects will provide improvement along SR 382. The proposed extension of SR 382 is not a part of the GDOT's Statewide Bicycle & Pedestrian Plan.

Conclusion

SR 382 Extension Project will provide a more direct and improved routing of SR 382 from CR 239 to CR 5/515. The travel distance along SR 382 from CR 239 where the project begins to SR 5/SR 515 will be reduced by 0.9 miles.

Malinak, Steve

From: Digsby, Pam
Sent: Wednesday, January 14, 2004 2:14 PM
To: Malinak, Steve
Subject: STP-1004(2) Gilmer

Steve,

The R/W cost would be around \$270,000 for the above project

Pam

PRELIMINARY COST ESTIMATE

DATE: 5/5/2005
PROJECT: STP-1004(2)
P.I. NO: 631260
COUNTY: GILMER

PROJECT DESCRIPTION: This project is the extension of SR382 on new location starting at MP 10.07 SR382 at the intersection CR239/SR5 Alternate. Then runs Easterly to MP 6.63 SR5/515. The length of project is 0.60 Miles.

TRAFFIC:	Existing:	<u>950</u>	Design:	<u>1825</u>
		YR 2011		YR2031
()	PROGRAMMING PROCESS	(X)	CONCEPT DEVELOPMENT	()
			DURING PROJECT DEVELOPMENT	
A	RIGHT OF WAY			
	1 PROPERTY (Land and Easements)			\$ 270,000
	2 DISPLACEMENTS			
	3 OTHER COSTS			
			SUBTOTAL	\$ 270,000
B	REIMBURSABLE UTILITIES			
	1 RAILROAD			\$ 36,750
	2 TRANSMISSION LINES			
	3 SERVICES			
			SUBTOTAL	\$ 36,750
C	MAJOR STRUCTURES			
	1 WALLS			
	2 BRIDGE STREAM CROSSINGS			
	3 BRIDGE OVER/UNDERPASS			
	4 BOX CULVERTS			
			SUBTOTAL	\$ -

D	GRADING AND DRAINAGE	
	1 EARTHWORK	\$ 500,000
	2 DRAINAGE	
	a. Cross drain pipes (exc. Box Culverts)	\$ 30,000
	b. Curb and Gutter	\$ 10,000
	c. Longitudinal System (incl. Catch Basins)	\$ 10,000
	SUBTOTAL	\$ 550,000
E	BASE AND PAVING	
	1 AGGREGATE BASE	\$ 120,000
	2 ASPHALT PAVING	\$ 200,000
	3 CONCRETE PAVING	\$ 160,000
	4 OTHER	
	SUBTOTAL	\$ 480,000
F	LUMP ITEMS	
	1 TRAFFIC CONTROL	\$ 10,000
	2 CLEARING AND GRUBBING	\$ 12,500
	3 LANDSCAPING	
	4 EROSION CONTROL	\$ 55,000
	5 DETOURS (Incl. Temp. Bridges)	
	SUBTOTAL	\$ 77,500
G	MISCELLANEOUS	
	1 LIGHTING	
	2 SIGNING & STRIPING	\$ 3,000
	3 GUARDRAIL	\$ 25,000
	4 OTHER (ROW Markers)	\$ 4,500
	SUBTOTAL	\$ 32,500
H	SPECIAL FEATURES	SUBTOTAL

ESTIMATE SUMMARY

CONSTRUCTION COST SUMMARY

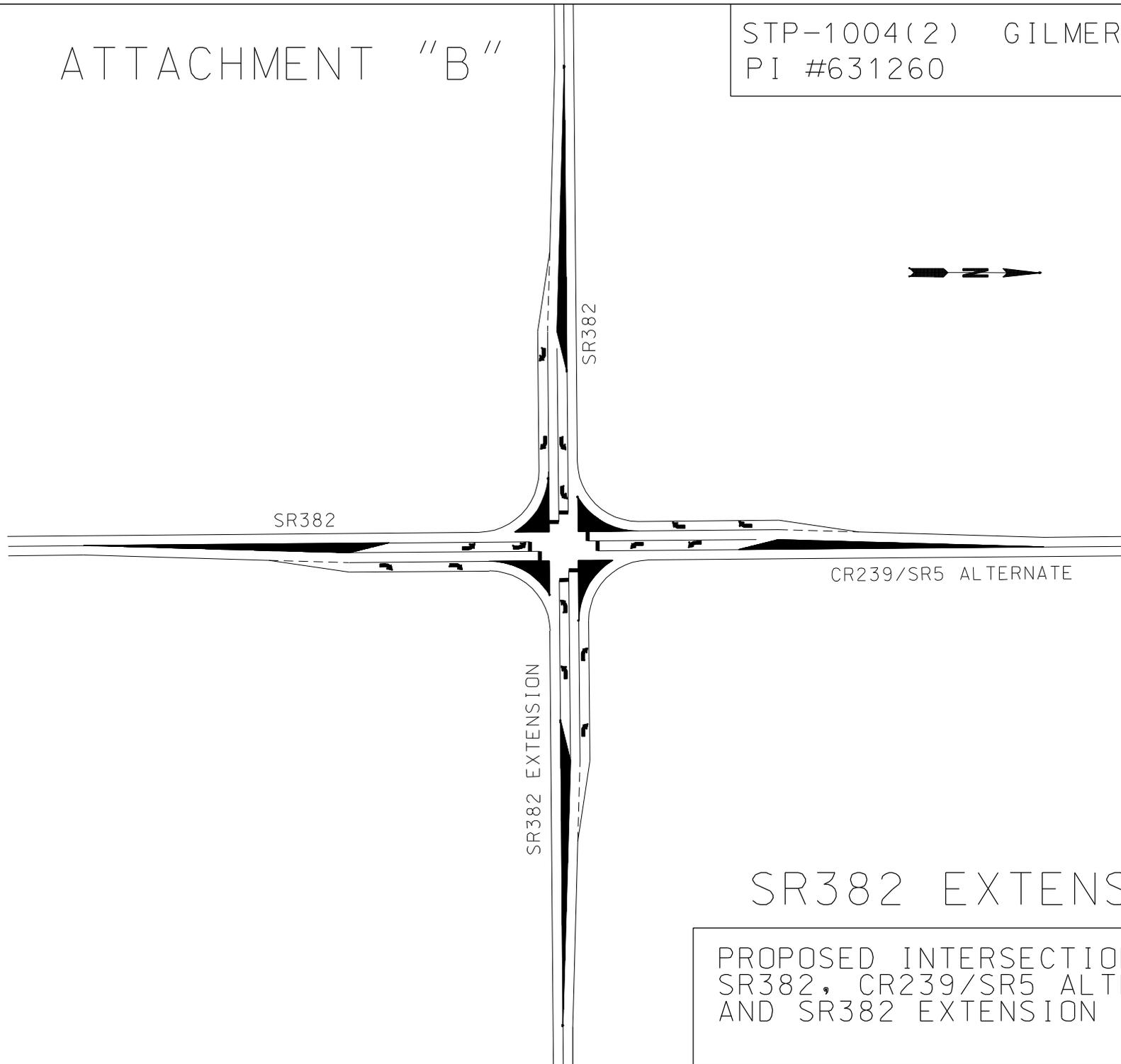
A	MAJOR STRUCTURES	\$ -
B	GRADING AND DRAINAGE	\$ 550,000
C	BASE AND PAVING	\$ 480,000
D	LUMP ITEMS	\$ 77,500
E	MISCELLANEOUS	\$ 32,500
F	SPECIAL FEATURES	\$ -
	SUBTOTAL	\$ 1,140,000
	E & C (10%)	\$ 114,000
	INFLATION (5% PER YEAR) (2 YEARS)	\$ 125,400
	TOTAL CONSTRUCTION COST	\$ 1,379,400

ROW & UTILITIES COST SUMMARY

G	RIGHT OF WAY	\$ 280,000
H	REIMBURSABLE UTILITIES	\$ 36,750
	SUBTOTAL	\$ 316,750
	GRAND TOTAL COST	\$ 1,696,150

ATTACHMENT "B"

STP-1004(2) GILMER COUNTY
PI #631260



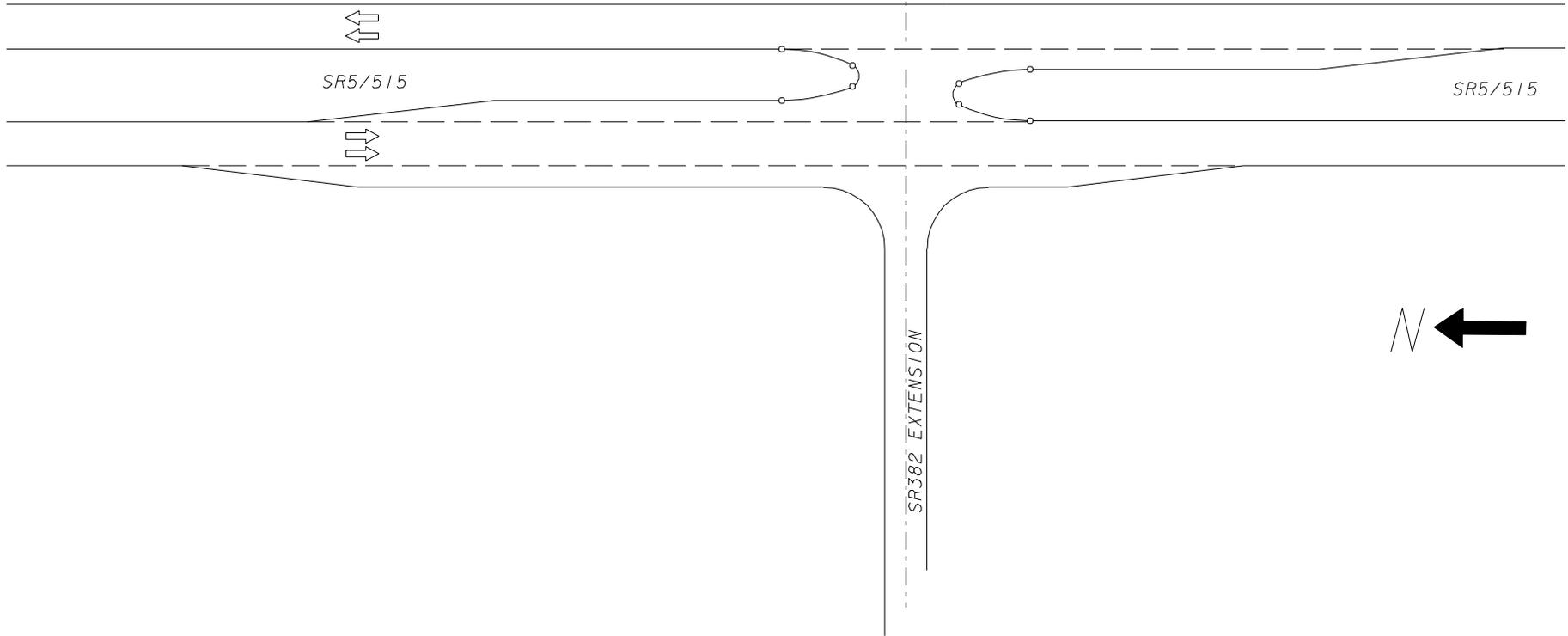
SR382 EXTENSION

PROPOSED INTERSECTION AT
SR382, CR239/SR5 ALTERNATE,
AND SR382 EXTENSION

ATTACHMENT "C"

STP-1004(2)
GILMER COUNTY
PI #631260

⊕ MEDIAN OPENING



SR5/515

SR5/515

SR382 EXTENSION

N ←

NO SCALE

PROPOSED INTERSECTION AT
SR5/515 SR382 EXTENSION

STP-1004 (2) GILMER COUNTY
Meeting June 16, 2005

Name	Office	E-MAIL
DAVID MOORE	GDOT-DESIGN	David.Moore@DOT.STATE.GA.US
BEN WINKLER	DALTON SURVEY	Harrison Winkler " " " "
MICHAEL LONG	DG TRAP OPS	Michael.Long@ " " " "
Stanley Horton	GDOT UTILITIES	stan.horton@dot.state.ga.us
Cassandra Rouchdi	DG RightofWay	C.Rouchdi " "
STEVE MALINAK	DIST. 6 P.O.T.	
Wesley King	Area 2 constr.	wesley.king@dot....
Jeremy FARIST	Gilmer Co. Com.	JFARIST@GilmerCounty-GA.GOV
Ron WISHOR	GDOT - OES	ron.wishor@dot.state.ga.us

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District 6

PROJECT CONCEPT REPORT

Project Number: STP-1004(2)

County: Gilmer

P. I. Number: 631260

Federal Route Number: None

State Route Number: SR382

Recommendation for approval:

DATE 1-31-06

Curtis D. Combs

Project Manager

DATE 1/31/06

Keith Sawyer

District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP). **Note: Approval of this concept will Null and Void the original concept approved on 5-3-1993.**

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental Location Engineer

DATE 2-1-06

Keith Sawyer
State Traffic Safety & Design Engineer

DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District 6

PROJECT CONCEPT REPORT

Project Number: STP-1004(2)
County: Gilmer
P. I. Number: 631260

Federal Route Number: None
State Route Number: SR382

Recommendation for approval:

DATE 1-31-06

Curtis D. Combs
Project Manager

DATE 1/31/06

Kelly S. ...
District Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and the State Transportation Improvement Program (STIP). **Note: Approval of this concept will Null and Void the original concept approved on 5-3-1993.**

DATE 2/1/06

Joseph P. ...
State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

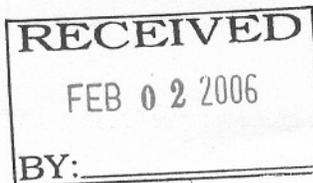
State Traffic Safety & Design Engineer

DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District 6

PROJECT CONCEPT REPORT

Project Number: STP-1004(2)

County: Gilmer

P. I. Number: 631260

Federal Route Number: None

State Route Number: SR382

Recommendation for approval:

DATE 1-31-06

Curtis D. Combs

Project Manager

DATE 1/31/06

Keith Sayer

District Engineer

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DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety & Design Engineer

DATE 2/5/06

Paul V. White Jr.

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 6

PROJECT CONCEPT REPORT

Project Number: STP-1004(2)

County: Gilmer

P. I. Number: 631260

Federal Route Number: None

State Route Number: SR382

Recommendation for approval:

DATE 1-31-06

Curtis D. Combs

Project Manager

DATE 1/31/06

Keith S. ...

District Engineer

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DATE _____

State Bridge and Structural Design Engineer

DATE _____

Project Review Engineer